

## **Claims**

We claim:

1. A composition for attracting and killing weevils comprising an effective, weevil attracting amount of a combination of a weevil pheromone and a vapor releasing insecticide.
2. The composition of claim 1 wherein the weevil pheromone is selected from the group of insect pheromones that attract boll weevils, pepper weevils, pecan weevils, citrus root weevils, sweet potato weevil and rice water weevil.
3. The composition of claim 1, wherein the weevil pheromone is Grandlure and the vapor releasing insecticide is dichlorvos.
4. The composition of claim 1, wherein the insecticide is selected from the group consisting of organophosphates, naled, carbamates such as propoxur, synthetic pyrethroids, and nicotinoids.
5. The composition of claim 1, wherein the insecticide is selected from the group consisting of microbes and fungi effective at killing boll weevils.
6. The composition of claim 1, further comprising an insect growth regulator or insect sterilant.
7. A trap for catching boll weevils, comprising an inverted cup topped with a cone-shaped plastic or wire mesh screen, with a capture chamber on top of the cone that includes a slow release dispenser for the composition of claim 1.

8. A method for controlling boll weevil comprising: a) administering to a predetermined site an effective boll weevil controlling amount of the composition of claim 3.
9. A plastisol composition for attracting boll weevil comprising a) a polymer b) grandlure c) dichlorvos or other insecticide and d) a plasticizer.
10. The composition of claim 9, further comprising an insect growth regulator or sterilant.
11. The composition of claim 9, wherein the polymer is polyvinyl chloride, either compounded, matrix, laminated or sandwiched.
12. A trap for catching boll weevils, comprising an inverted cup topped with a cone-shaped plastic or wire mesh screen, with a capture chamber on top of the cone that includes a slow release dispenser for the composition of claim 8.
13. A composition for attracting and killing boll weevils comprising a polymer, grandlure, and dichlorvos or other insecticide in the form of pellets, microspheres, tubules, flat circular, rectangular or square dispensers compounded, matrix, laminated or sandwiched.